different formats, one of the different formats not selected by the encoding means being modulated, and driving means for selectively outputting onto a packet based network the encoded information and demodulated information from said one of the different formats.

In yet a further aspect of the present invention, a computer-readable media embodying a program of instructions executable by a computer performs a method of processing signals, the method including selectively encoding information having one format from a signal having a plurality of formats, and selectively outputting onto a packet based network the encoded information and demodulated information from one of the formats not selected.

Page 5, line 11, delete "dtect" and insert -- detect --.

Page 14, line 20, after "echos" insert -- that might otherwise be transmitted back to the far end user --.

Page 15, line 27, delete "voice".

Page 20, line 6, delete "inter-digit".

Page 28, line 2, delete ",".

Page 31, line 14, after "VHD" insert -- via the switchboard 32'" - -.

Page 32, line 11, delete "short" and insert -- long --, delete "The input of the peak", and insert -- Peak --, after "tracker" insert -- inputs include the current - -, and delete "is the".

line 12, delete "short" first occurrence and insert -- long -, after "level" delete "(a)" and insert -- a(i) --, delete

"short" second occurrence and insert -- long --, and after "estimate" insert -- a(i-1) --.

line 13, after "output" insert -- y(i-1) --, delete "(x), and delete "short" and insert -- long --.

line 14, delete "short" first occurrence and insert -- long --, after "term" insert -- power --, and delete "short" second occurrence and insert -- long --.

line 18, delete "short" and insert -- long --, and delete "current" and insert -- previous - -.

line 19, after "case" delete -- t -- and insert "the current", and after "output" insert -- x(i) --.

line 22, delete "x = (7x +a)/8." and insert -- x(i) = (7x(i - 1) + a(i))/8.--

after line 22, and before line 23, insert "where x(i - 1) is the previous peak tracker output and a(i) is the current long term power estimate.

A3

line 23, delete "short" and insert -- long -, and after "the" insert -- previous --.

line 24, after "the" insert -- current -, and after "tracker" insert output x(i).

line 26, delete "x = x * 255/256" and insert -- x(i) = x(i - 1) * 255/256.

line 29, delete "166" and insert -- 162 --.

Page 36, line 4, delete "are".

line 23, delete "." and insert -- , -- and after "function" insert -- of --.

M.G. Page 48, line 9, after "to" insert -- handle -- and delete "switch between" and insert - - switched - -.

Page 51, line 22, after "case," insert -- the inputs to the lost frame recovery engine are --.

A4

line 23, second occurrence delete "is".

Page 52, line 21, delete "R" and insert - - autocorrelation - -.

Page 53, line 8, delete "R" and insert - - autocorrelation - -.

Page 54, line 15, delete "equation".

Page 56, line 21, after "65536." insert -- Knuth, D. "The Art of Computer Programming, Volume 2, Seminumerical Algorithms," Addison-Wesley, 1969. --

A5

Page 60, line 17, delete "$e(-j2\pi f_{mid})$" and insert -- $e^{(-j2\pi fmid)}$ --.

Page 63, line 5, delete "progress tone" and insert - - Progress Tone - -.

Page 68, lines 13-23, delete "In one embodiment, the resource manager can be implemented to reduce complexity when the worst case system loading exceeds the peak system resources. The worst case system loading is simply the sum of the worst case (peak) loading of each service invoked by the network VHD and its associated PXDs. However, the statistical nature of the processor resources required to process voice band telephony signals is such that it is extremely unlikely that the worst case processor loading for each PXD and/or service will occur simultaneously. Thus, a more robust (lower overall power consumption and higher densities, i.e. more channels per DSP) signal processing system may be realized if the average complexity of the various voice mode PXDs and associated services is minimized. Therefore, in the described exemplary embodiment, average system complexity is reduced and system resources may be over subscribed (peak loading exceeds peak system resources) in the short term wherein complexity reductions are invoked to reduce the peak loading placed on the system." and insert -- The resource manager can be implemented to reduce complexity when the worst case system loading exceeds the peak system resources. The worst case system loading is simply the sum of the worst case (peak) loading of each service invoked by the network VHD and its associated PXDs.

The statistical nature of the processor resources required to process voice band telephony signals is such that it is extremely unlikely that the worst case processor loading for each PXD and/or service will occur simultaneously. Thus, a more robust (lower overall power consumption and higher densities, i.e. more channels per DSP) signal processing system may be realized if the average complexity of the various voice mode PXDs and associated services is minimized. In the described exemplary embodiment, average system complexity is reduced and system resources may be over subscribed (peak loading exceeds peak system resources) in the

short term wherein complexity reductions are invoked to reduce the peak loading placed on the system.

Page 69, lines 30-35, delete

"

$$X(L)=\frac{\left(\sum_{n=0}^{N-1}(d(n)(dn-L))\right)^2}{\left(\sum_{n=o}^{N-1}d(n)\right)^2\left(\sum_{n=0}^{N-1}d(n-L)\right)^2}$$

" and insert

-- $$X(L)=\frac{\left(\sum_{n=0}^{N-1}(d(n)(d(n-L))\right)^2}{\left(\sum_{n=o}^{N-1}d(n)\right)^2\left(\sum_{n=0}^{N-1}d(n-L)\right)^2}$$ --

Page 70, line 32, delete "of" and insert "if".

line 34, after "1" delete - -) - -; and after "0.5" . insert ") ".

Page 71, line 2, delete "encoder" second occurrence and insert - - decoder - -.

line 30, delete "complesxity" and insert -- complexity - -.

Page 73, line 8, delete "contained within" and insert - - obtained from -- .